

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P144706

Luminaire Tested: **VPL-F01-LED-E1-RW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P144706
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33700)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VPL-F01-LED-E1-RW-7050
Description: VALET LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (7) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2544.3 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

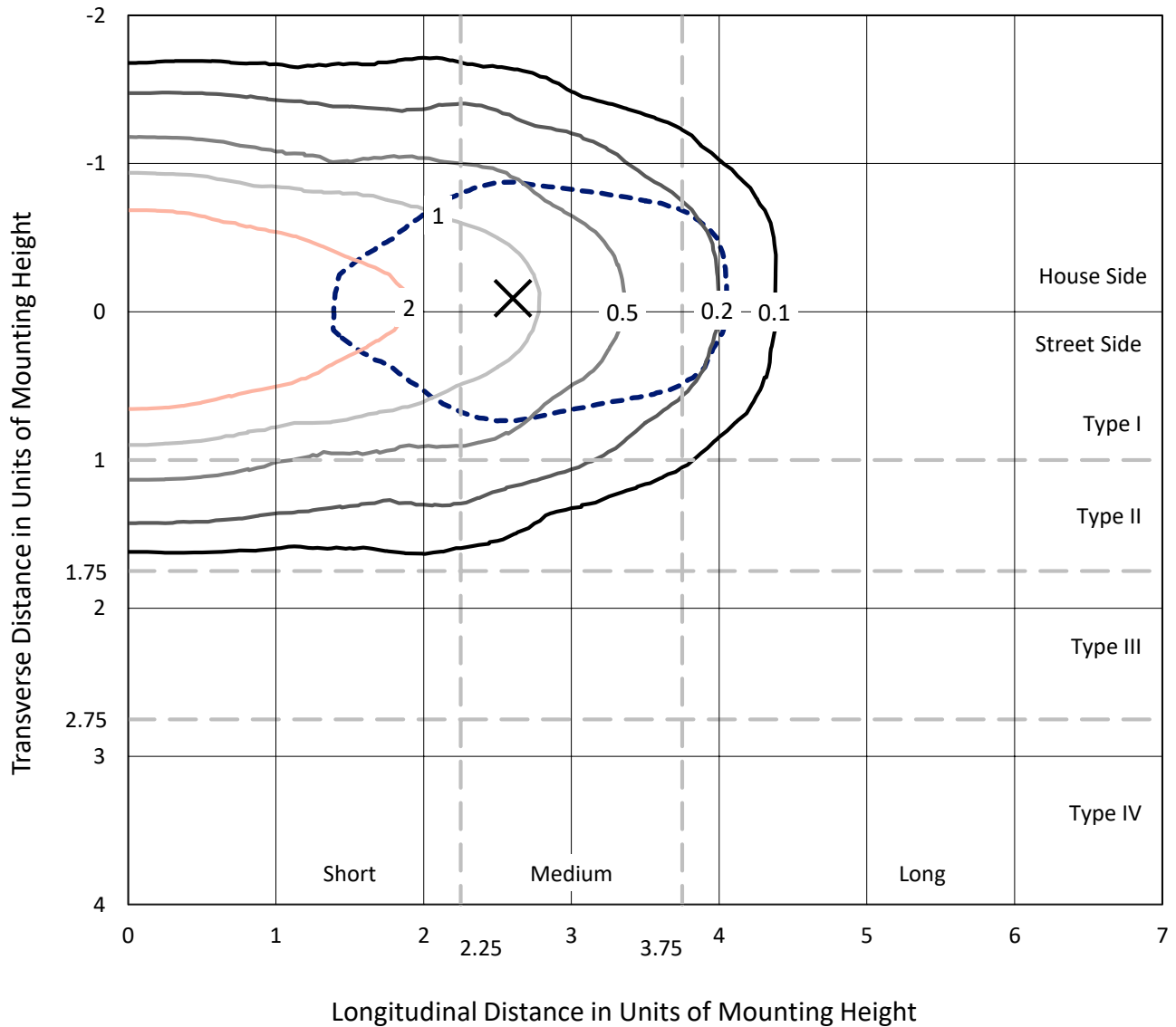


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Iso-Footcandle Lines of Horizontal Illumination

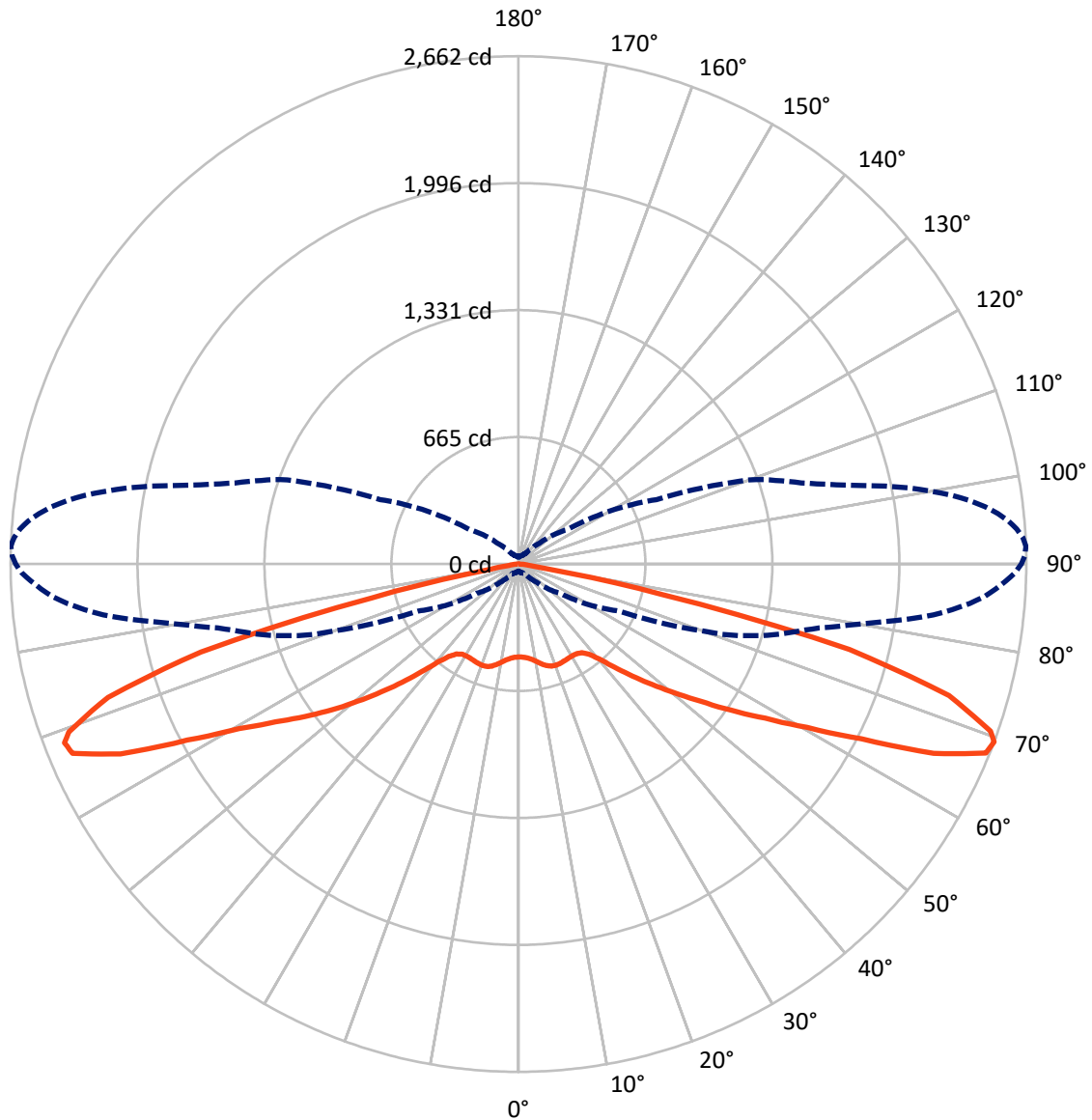
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type I - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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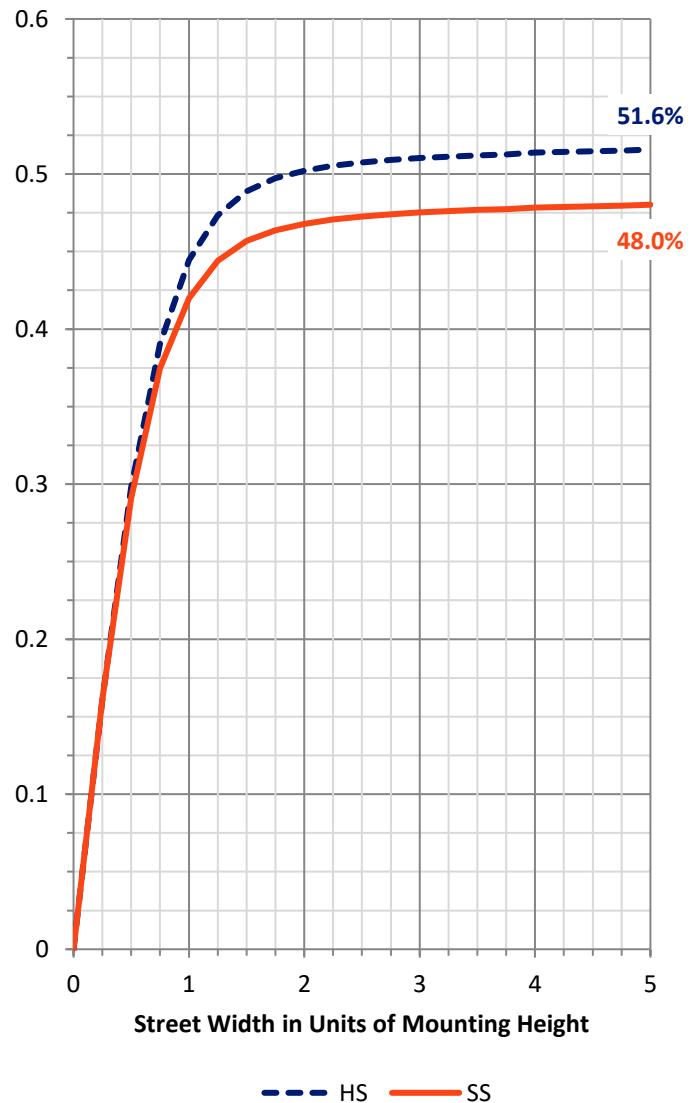
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1323.5	0.0	1323.5
	% Fixture	52.0	0.0	52.0
Street Side	Lumens	1220.9	0.0	1220.9
	% Fixture	48.0	0.0	48.0
Total	Lumens	2544.3	0.0	2544.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.7	1.9
10°-20°	150.1	5.9
20°-30°	243.2	9.6
30°-40°	302.9	11.9
40°-50°	377.1	14.8
50°-60°	462.7	18.2
60°-70°	570.7	22.4
70°-80°	354.8	13.9
80°-90°	35.2	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2544.3	100.0
0°-180°	2544.3	100.0



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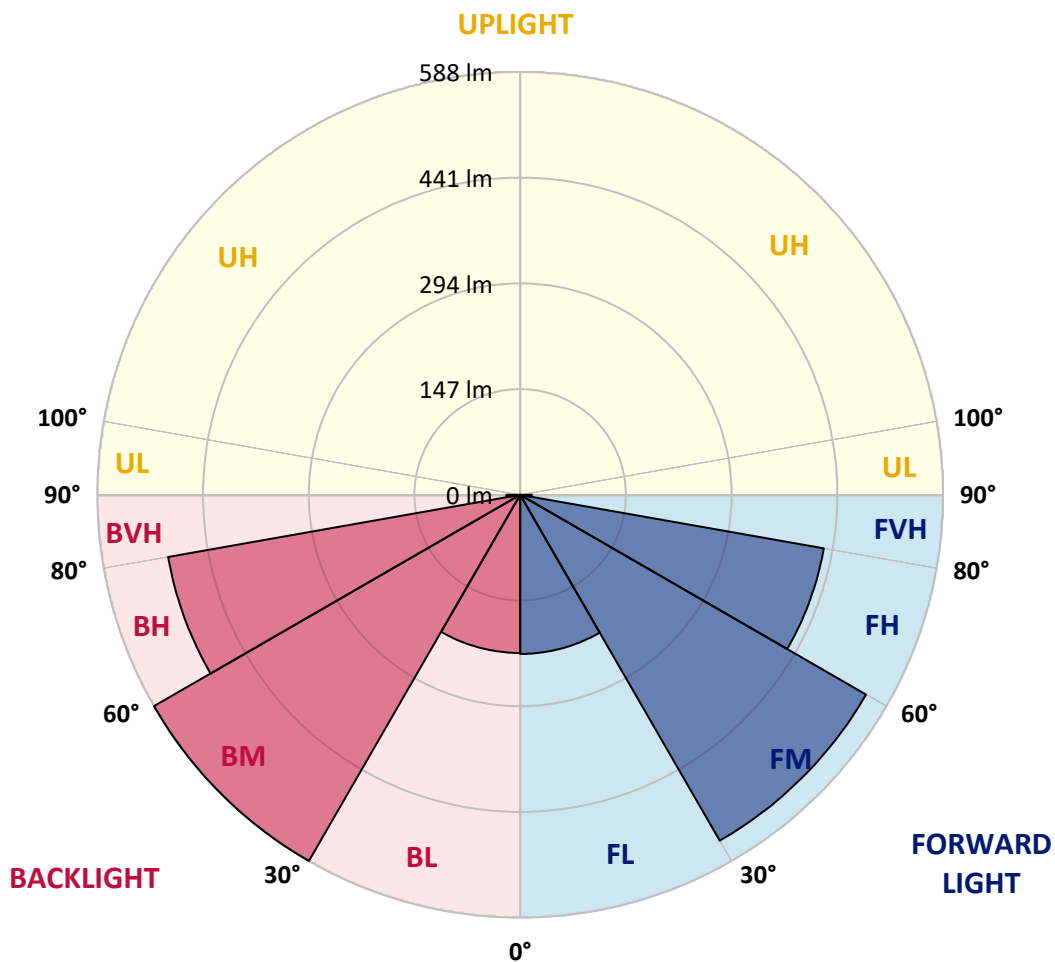
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	221.2	8.7			
FM (30°-60°)	555.1	21.8			
FH (60°-80°)	428.6	16.8			G0/660
FVH (80°-90°)	16.1	0.6			G1/100
BL (0°-30°)	219.8	8.6	B1/500		
BM (30°-60°)	587.7	23.1	B1/1000		
BH (60°-80°)	496.9	19.5	B1/500		G1/500
BVH (80°-90°)	19.1	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	487.2	487.2	487.2	487.2	487.2	487.2	487.2	487.2	487.2	487.2	487.2
2.5°	495.7	495.2	496.4	496.9	495.9	495.4	494.0	492.3	492.3	491.8	491.3
5°	502.8	502.0	503.2	503.5	503.0	502.7	501.5	499.3	499.6	499.1	498.1
7.5°	508.6	507.2	508.8	509.4	510.8	511.1	510.6	509.6	509.4	509.1	509.3
10°	513.2	512.0	514.3	516.2	518.6	519.8	521.8	522.5	522.5	522.8	523.5
12.5°	515.5	514.3	518.1	521.8	526.5	530.8	534.0	536.5	537.7	537.6	537.4
15°	513.3	512.5	517.7	525.5	534.7	543.3	547.9	550.3	551.3	551.6	551.6
17.5°	505.7	504.7	511.8	524.7	540.6	554.3	562.1	561.9	560.9	561.1	560.6
20°	490.5	490.1	499.4	517.4	542.5	564.0	573.1	569.6	565.7	565.0	564.3
22.5°	468.4	468.6	479.6	502.3	537.6	568.0	580.4	574.8	567.7	566.4	565.3
25°	441.0	441.5	453.2	480.8	522.1	564.5	583.3	578.6	570.4	568.7	567.0
27.5°	411.5	410.5	424.7	452.3	498.1	550.1	581.6	584.1	576.4	574.7	572.5
30°	379.0	379.5	394.6	423.9	470.3	526.2	575.8	590.4	585.5	584.3	581.8
32.5°	348.5	349.0	362.5	396.1	443.4	499.1	566.4	597.2	597.9	596.7	595.3
35°	317.1	319.2	333.9	368.8	417.8	473.3	554.2	606.2	613.5	614.3	614.6
37.5°	289.7	291.4	305.6	342.7	394.4	454.0	540.8	618.4	636.8	639.4	641.6
40°	261.2	262.8	277.7	316.3	371.5	438.3	530.6	634.8	664.8	671.7	676.5
42.5°	236.2	237.0	250.6	287.3	344.1	420.7	525.4	655.0	700.9	709.8	716.3
45°	210.2	210.2	223.1	257.3	313.6	396.3	523.3	677.8	739.7	749.8	761.5
47.5°	183.6	185.0	198.9	232.6	280.7	361.4	516.2	704.3	783.4	795.1	811.3
50°	157.6	159.9	174.3	206.3	251.8	326.8	494.5	734.6	831.5	847.4	864.9
52.5°	130.8	133.3	147.1	178.7	223.8	292.6	451.5	766.8	882.5	902.3	921.4
55°	104.4	104.5	118.3	149.3	194.5	265.6	401.3	788.8	932.5	956.9	975.3
57.5°	75.2	76.7	89.6	118.4	165.7	239.9	357.6	786.9	973.5	999.4	1024.3
60°	55.1	56.4	67.9	88.6	131.0	212.8	325.8	743.9	998.2	1032.4	1065.1
62.5°	46.6	48.3	57.8	69.0	100.3	183.6	300.2	677.7	1032.4	1078.0	1123.6
65°	42.2	43.7	53.7	59.5	78.6	154.2	284.3	628.9	1074.8	1145.4	1208.6
67.5°	39.0	40.5	49.1	53.5	67.4	138.6	278.3	616.8	1083.1	1177.8	1259.4
69°	37.3	38.8	46.4	50.8	64.9	134.2	268.4	583.5	1020.6	1130.7	1212.5
70°	36.3	37.6	44.6	49.0	63.7	129.6	252.8	536.4	943.8	1059.5	1141.5
72.5°	33.4	34.4	40.2	44.0	58.3	102.2	187.4	365.1	689.0	796.1	880.6
75°	29.3	30.7	35.2	39.0	44.6	60.0	117.6	210.1	412.0	488.8	568.7
77.5°	25.1	26.4	30.2	36.9	36.4	41.2	73.7	129.6	213.0	251.4	301.4
80°	21.5	22.5	26.1	35.2	30.2	32.9	55.4	101.0	138.8	150.8	160.6
82.5°	16.6	17.6	21.7	28.6	24.2	24.4	41.5	93.5	120.8	130.3	136.0
85°	10.7	10.8	15.9	19.3	17.3	14.2	25.8	68.4	90.1	97.1	97.8
87.5°	3.6	4.4	6.6	5.6	6.4	5.4	7.5	21.0	33.4	34.9	35.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	487.2	487.2	487.2	487.2	487.2	487.2	487.2	487.2	487.2	487.2	487.2
2.5°	491.3	491.1	491.1	491.3	491.1	491.0	490.8	490.1	489.8	489.4	489.4
5°	498.2	498.2	498.2	497.7	497.7	497.9	497.2	496.9	496.2	496.2	495.7
7.5°	508.8	509.1	508.8	508.4	508.1	508.1	507.4	507.7	507.6	507.2	507.2
10°	522.3	522.8	523.2	523.0	522.1	522.0	522.1	522.3	521.8	521.5	522.0
12.5°	537.0	537.7	538.2	538.2	537.9	538.7	538.2	538.1	538.1	537.9	538.2
15°	552.0	551.8	552.0	552.0	552.1	551.8	552.1	552.5	552.6	552.3	553.0
17.5°	560.9	560.4	560.4	560.6	560.1	560.1	560.1	560.8	560.8	561.1	560.9
20°	563.6	563.5	562.6	562.5	561.3	561.6	561.6	561.9	561.9	561.9	562.5
22.5°	564.0	562.5	561.4	560.4	558.7	558.6	558.6	558.4	558.4	558.6	558.7
25°	565.2	562.8	560.9	559.1	557.2	555.9	555.2	554.3	553.8	553.8	553.5
27.5°	570.3	567.4	564.7	562.1	559.1	557.0	555.2	553.6	552.1	551.4	550.6
30°	579.2	576.4	573.5	570.6	566.4	563.6	560.6	557.7	555.7	554.2	552.5
32.5°	593.1	591.3	588.0	584.8	581.1	577.0	574.3	569.9	566.9	565.0	561.3
35°	613.1	612.4	611.1	608.5	604.5	601.4	598.5	594.5	590.4	586.2	584.5
37.5°	642.3	643.6	641.7	641.6	640.9	638.2	636.8	631.9	629.2	625.8	623.3
40°	678.3	682.6	685.8	687.7	689.7	691.9	691.7	690.0	687.7	687.8	685.6
42.5°	723.4	730.9	737.8	741.7	750.7	757.8	763.9	767.8	769.5	773.2	774.9
45°	771.5	783.4	793.7	803.2	818.6	830.5	845.4	856.7	863.0	874.2	873.8
47.5°	825.1	837.6	851.5	868.9	883.5	903.3	923.7	946.7	960.4	975.5	986.0
50°	880.6	897.4	914.5	930.8	953.5	979.7	1006.3	1032.9	1057.0	1080.2	1096.8
52.5°	939.6	958.6	976.2	998.0	1023.4	1056.5	1086.1	1119.0	1151.9	1184.7	1206.4
55°	997.7	1017.8	1036.5	1062.2	1093.6	1126.9	1162.2	1203.2	1244.7	1287.7	1316.0
57.5°	1048.3	1066.8	1093.1	1116.4	1150.8	1187.9	1230.6	1279.8	1331.3	1384.5	1423.4
60°	1095.1	1119.8	1147.1	1174.6	1216.2	1258.6	1312.8	1371.1	1436.8	1497.3	1557.1
62.5°	1162.0	1194.0	1236.4	1269.1	1317.7	1365.5	1429.0	1504.4	1586.1	1667.2	1730.1
65°	1262.7	1310.8	1363.5	1405.1	1462.6	1527.4	1605.7	1700.6	1805.8	1906.1	1992.5
67.5°	1328.6	1392.4	1448.5	1505.8	1569.6	1643.5	1732.1	1842.2	1962.5	2078.9	2194.4
69°	1283.2	1356.7	1419.9	1476.1	1537.8	1611.6	1708.9	1811.7	1936.9	2068.6	2190.7
70°	1212.3	1290.1	1358.7	1413.1	1474.3	1547.8	1647.4	1747.0	1873.4	2012.5	2125.8
72.5°	953.5	1037.8	1108.5	1158.8	1220.0	1290.8	1382.1	1493.4	1623.7	1747.2	1871.7
75°	630.9	703.1	774.7	820.8	876.4	949.7	1020.7	1118.0	1224.2	1329.7	1406.1
77.5°	336.5	377.1	428.1	454.9	497.9	532.3	554.7	632.9	650.2	685.1	688.3
80°	159.4	152.0	148.7	140.8	147.2	145.5	135.5	141.0	138.4	130.8	128.8
82.5°	133.2	117.9	96.9	81.0	71.0	61.0	51.3	47.8	47.1	45.6	47.3
85°	98.1	92.5	75.6	57.3	45.6	34.1	29.5	26.8	25.9	25.2	26.1
87.5°	37.1	36.8	31.3	25.8	17.8	11.7	10.7	9.7	9.8	9.5	9.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	487.2	487.2	487.2	487.2	487.2	487.2	487.2	487.2	487.2	487.2	487.2
2.5°	489.1	489.4	489.1	488.9	488.4	488.3	488.4	488.3	488.6	488.6	488.3
5°	495.7	495.7	495.7	495.4	494.9	494.9	494.5	494.0	494.5	494.4	494.0
7.5°	506.6	506.0	506.2	505.9	505.0	505.5	505.2	504.7	505.0	504.5	504.3
10°	521.1	521.0	521.1	520.4	520.1	520.3	519.9	519.4	519.6	520.1	519.1
12.5°	538.4	537.9	537.7	537.6	537.2	537.0	536.7	537.4	537.0	536.0	535.7
15°	552.1	553.0	553.0	552.6	552.5	552.6	552.1	552.6	552.1	552.1	551.8
17.5°	560.8	561.6	561.8	561.8	561.8	561.8	562.1	562.3	562.3	561.9	561.6
20°	562.5	563.3	563.5	564.0	564.3	564.5	565.0	565.3	565.8	565.8	565.8
22.5°	558.9	559.9	560.4	560.9	561.8	562.6	563.1	564.2	564.7	565.2	565.2
25°	553.8	554.5	555.3	556.5	557.7	558.7	559.7	560.6	561.4	562.3	562.3
27.5°	550.4	551.1	552.0	553.0	554.2	555.3	556.5	557.7	558.7	559.7	559.9
30°	551.3	551.4	551.6	552.3	553.5	554.5	555.7	556.7	557.7	558.6	558.7
32.5°	559.9	558.6	557.2	557.4	557.4	558.1	558.6	559.7	560.3	560.6	560.3
35°	580.2	575.5	575.2	573.8	571.8	571.6	571.6	571.1	570.8	570.6	570.1
37.5°	620.1	613.6	612.4	608.0	605.8	605.0	601.1	601.6	599.2	598.2	598.0
40°	681.6	679.2	677.2	672.2	666.6	667.7	663.8	659.7	654.6	655.8	655.0
42.5°	773.2	771.9	770.5	766.1	760.7	756.8	752.9	747.6	738.1	740.2	734.6
45°	880.8	883.3	880.3	878.1	868.3	861.3	853.7	844.5	836.9	833.9	830.8
47.5°	994.0	996.5	995.7	990.6	982.8	973.0	963.8	954.7	943.3	935.0	933.1
50°	1109.7	1109.0	1114.2	1110.5	1107.3	1091.2	1082.7	1071.7	1059.9	1054.6	1050.4
52.5°	1220.0	1238.6	1238.1	1237.4	1239.8	1224.4	1215.6	1201.7	1194.0	1191.2	1182.7
55°	1337.9	1355.7	1369.4	1374.3	1375.5	1374.8	1366.0	1360.6	1352.3	1355.8	1340.6
57.5°	1452.6	1481.2	1503.9	1516.3	1517.3	1534.7	1525.9	1529.5	1525.1	1523.9	1514.2
60°	1594.0	1627.7	1666.5	1693.8	1699.2	1732.6	1731.6	1742.9	1738.9	1736.0	1727.2
62.5°	1802.7	1842.2	1895.2	1936.8	1965.9	1984.7	2005.9	2009.6	2019.1	2014.2	2001.1
65°	2088.2	2135.5	2208.0	2264.9	2310.7	2322.5	2361.6	2374.0	2391.3	2371.8	2347.4
67.5°	2290.5	2367.2	2438.1	2498.5	2538.3	2580.7	2617.0	2637.5	2642.7	2624.2	2596.8
69°	2285.6	2373.7	2446.7	2504.6	2557.0	2603.7	2635.3	2655.1	2661.5	2647.1	2618.5
70°	2227.5	2324.0	2399.3	2462.3	2516.2	2567.7	2595.3	2616.1	2623.6	2613.9	2580.5
72.5°	1944.7	2051.8	2101.4	2183.9	2260.5	2303.0	2323.4	2344.2	2360.0	2353.7	2316.8
75°	1511.4	1572.2	1598.9	1657.6	1725.2	1748.4	1755.1	1768.4	1792.4	1791.2	1764.8
77.5°	751.2	742.4	733.6	739.7	788.6	730.9	753.4	751.5	769.3	779.3	772.0
80°	135.4	139.1	142.3	133.3	146.2	140.4	130.8	139.1	137.6	141.0	141.6
82.5°	47.1	47.9	48.3	49.5	49.6	49.1	48.5	50.1	50.0	50.3	50.3
85°	25.4	25.6	24.9	24.9	24.2	24.1	23.9	24.4	25.4	24.9	25.4
87.5°	8.6	8.5	7.8	7.1	6.6	6.1	5.6	5.9	6.6	6.9	8.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	101°	102°	103°	104°	105°
0°	487.2	487.2	487.2	487.2	487.2	487.2	487.2	487.2	487.2	487.2	487.2
2.5°	488.3	488.3	487.9	487.4	486.9	486.7	486.7	486.9	486.7	486.7	486.4
5°	493.2	493.5	493.5	492.7	492.3	492.0	491.6	491.6	491.5	491.3	491.1
7.5°	503.5	502.8	503.7	502.0	502.1	501.8	501.3	501.5	500.3	500.5	500.5
10°	518.1	516.9	517.6	517.1	516.4	516.0	515.2	515.7	514.3	514.3	514.2
12.5°	535.4	534.0	534.2	533.8	533.5	532.1	531.8	532.0	530.9	530.3	529.9
15°	550.4	550.1	550.1	550.1	549.1	548.2	547.2	547.2	546.2	545.9	545.2
17.5°	560.9	560.8	560.4	560.4	559.6	558.7	558.6	558.1	557.2	556.2	555.9
20°	565.3	565.2	564.8	564.7	564.0	563.5	562.3	561.6	561.1	560.3	559.4
22.5°	565.0	564.5	564.5	564.2	563.0	562.3	561.1	560.1	559.1	558.6	557.2
25°	562.3	561.6	561.6	560.8	559.4	558.2	556.7	555.2	553.8	552.8	551.3
27.5°	559.6	558.7	558.4	556.9	555.2	553.3	551.4	549.6	547.9	546.5	545.7
30°	558.2	557.0	556.0	554.2	551.4	549.4	546.9	545.3	544.0	543.0	542.5
32.5°	559.1	557.9	556.4	554.2	551.3	548.9	546.7	545.3	544.7	544.7	545.2
35°	567.9	566.5	564.7	562.3	559.6	557.4	556.0	554.5	556.4	556.5	558.4
37.5°	595.7	594.0	590.2	589.2	584.1	583.3	583.1	582.6	584.0	586.2	588.9
40°	651.7	648.0	643.1	642.3	639.2	637.7	637.3	636.5	635.3	639.9	641.2
42.5°	729.2	729.8	723.6	721.0	721.7	715.8	720.5	720.9	718.0	717.3	716.1
45°	824.7	826.2	825.7	822.5	824.2	822.3	817.8	821.8	816.4	808.6	802.2
47.5°	930.6	931.6	931.8	934.5	938.4	937.2	932.0	924.0	916.9	903.2	888.9
50°	1049.7	1056.0	1055.5	1056.6	1060.0	1052.2	1045.3	1033.8	1017.2	995.5	971.4
52.5°	1192.3	1186.2	1191.7	1187.4	1187.1	1177.8	1158.3	1141.7	1110.2	1082.4	1046.0
55°	1350.4	1343.1	1338.5	1329.2	1318.9	1300.3	1272.8	1237.9	1200.6	1164.4	1121.2
57.5°	1511.0	1501.4	1492.5	1475.8	1452.7	1420.2	1385.6	1340.6	1290.9	1239.6	1192.3
60°	1721.1	1697.9	1678.7	1655.5	1617.9	1566.6	1523.0	1458.0	1395.3	1329.7	1267.9
62.5°	1966.7	1946.1	1893.9	1859.3	1815.1	1754.0	1695.8	1609.3	1536.1	1447.0	1376.8
65°	2318.8	2268.6	2223.9	2154.5	2089.4	2008.6	1928.1	1818.2	1715.8	1615.7	1528.8
67.5°	2551.4	2502.8	2447.7	2376.4	2293.7	2201.9	2092.8	1974.7	1847.3	1733.6	1638.8
69°	2578.3	2526.3	2465.3	2387.9	2300.0	2197.5	2086.9	1965.0	1830.0	1716.9	1619.6
70°	2540.5	2483.3	2426.0	2343.5	2253.7	2146.2	2032.8	1910.8	1769.2	1663.1	1562.5
72.5°	2293.9	2245.3	2165.3	2076.2	1997.2	1874.1	1757.5	1644.7	1508.5	1400.0	1315.8
75°	1757.3	1712.6	1680.9	1599.4	1527.1	1421.9	1352.8	1227.4	1154.1	1039.4	958.0
77.5°	805.6	797.4	818.1	799.0	767.3	734.8	721.9	663.1	612.6	584.0	541.6
80°	143.3	146.5	154.3	154.5	150.6	152.5	162.6	163.7	177.2	174.7	191.6
82.5°	51.0	50.8	51.8	51.8	52.7	54.4	60.8	71.0	83.7	97.4	115.0
85°	25.9	27.8	29.0	29.0	29.5	30.7	33.4	41.5	52.0	67.9	86.1
87.5°	8.6	10.0	11.2	12.0	11.9	12.2	13.0	15.4	22.4	30.7	41.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	106°	107°	108°	109°	110°	115°	125°	135°	145°	155°	165°
0°	487.2	487.2	487.2	487.2	487.2	487.2	487.2	487.2	487.2	487.2	487.2
2.5°	486.2	486.6	486.1	486.1	485.9	485.5	484.7	484.0	483.2	482.7	481.5
5°	491.0	490.8	490.5	490.5	489.9	489.1	487.4	485.9	484.4	483.3	482.2
7.5°	499.8	499.9	499.8	499.4	498.6	497.6	494.5	492.0	490.3	487.7	486.4
10°	513.0	513.0	512.5	511.6	512.0	509.8	504.9	501.1	497.6	493.7	491.1
12.5°	528.7	528.9	527.9	527.9	527.9	524.7	517.7	511.1	505.7	499.6	495.4
15°	544.3	543.8	543.0	542.6	542.3	539.1	531.1	523.7	515.2	505.7	498.9
17.5°	554.7	554.5	553.1	553.1	552.3	549.8	544.0	536.2	524.5	511.3	501.0
20°	558.4	557.9	557.2	557.0	556.2	554.8	553.6	548.1	534.5	515.7	499.9
22.5°	556.2	555.7	554.8	555.0	554.7	555.7	560.8	557.9	541.6	514.9	492.3
25°	550.4	549.8	549.8	550.1	550.3	554.8	567.2	565.5	542.1	505.7	475.4
27.5°	545.2	544.7	544.8	546.0	547.0	555.2	573.1	566.4	531.5	486.2	453.0
30°	542.6	542.8	544.0	545.7	547.5	560.4	577.2	558.7	510.3	458.6	424.4
32.5°	546.0	547.9	550.1	552.5	555.5	571.1	578.2	542.0	480.8	428.5	393.6
35°	560.4	564.5	567.2	570.1	573.3	587.0	577.0	517.9	450.3	400.0	361.4
37.5°	591.6	594.5	596.3	600.4	604.3	608.2	573.0	491.6	424.6	372.4	333.1
40°	643.4	641.4	645.1	644.6	643.6	633.8	567.0	468.4	402.2	346.3	306.6
42.5°	711.2	709.5	704.4	700.4	694.9	664.4	562.6	452.3	379.3	320.2	278.9
45°	790.0	778.6	767.5	757.6	747.1	698.7	562.1	437.4	352.4	290.7	248.9
47.5°	863.3	848.4	831.5	815.6	802.5	735.4	565.5	416.1	319.7	260.2	221.8
50°	942.3	916.0	894.5	872.7	858.1	776.8	568.2	383.9	285.3	232.3	195.8
52.5°	1013.4	985.7	958.6	937.4	916.0	819.8	558.4	342.9	254.5	204.1	170.4
55°	1080.2	1048.5	1022.9	999.2	979.7	866.7	524.3	306.8	225.0	176.2	141.6
57.5°	1144.6	1111.7	1084.1	1059.7	1037.7	903.8	461.0	276.8	193.8	143.2	111.0
60°	1215.4	1177.8	1148.0	1118.3	1094.4	921.1	397.8	249.2	160.6	108.6	81.3
62.5°	1312.5	1269.6	1235.4	1197.8	1161.8	916.7	361.4	218.2	125.2	79.6	60.7
65°	1454.9	1401.1	1357.5	1308.6	1259.3	895.5	338.3	185.8	93.9	61.2	52.0
67.5°	1564.2	1498.1	1442.6	1385.8	1323.5	854.7	325.8	161.6	75.1	52.9	47.1
69°	1543.0	1477.8	1417.2	1359.0	1288.6	798.6	316.0	152.5	69.5	49.8	44.7
70°	1488.8	1422.6	1360.9	1302.6	1226.4	739.3	302.2	145.9	67.4	48.1	43.0
72.5°	1239.9	1178.8	1112.4	1048.7	969.4	535.0	231.3	117.7	61.7	44.0	39.1
75°	892.1	839.6	789.8	720.9	630.1	312.4	144.5	72.2	46.9	40.0	35.6
77.5°	503.0	482.8	455.6	398.8	339.5	170.4	85.4	44.9	37.3	36.9	30.8
80°	196.4	213.8	221.3	208.0	186.7	122.8	63.2	35.2	31.5	37.8	26.6
82.5°	139.1	163.7	170.9	162.8	152.0	110.3	48.8	27.4	25.1	31.7	22.5
85°	111.0	125.2	126.0	120.5	116.9	88.4	32.4	17.1	17.8	22.4	16.3
87.5°	56.6	55.6	53.7	55.1	49.0	35.6	11.4	7.1	8.6	9.3	9.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	175°	180°
0°	487.2	487.2
2.5°	480.8	481.3
5°	481.6	481.8
7.5°	485.7	485.2
10°	489.9	489.3
12.5°	493.7	492.5
15°	495.9	494.4
17.5°	496.2	495.0
20°	492.5	490.8
22.5°	481.0	479.4
25°	462.8	460.5
27.5°	438.6	436.2
30°	409.6	406.6
32.5°	377.8	375.3
35°	345.9	344.3
37.5°	317.7	317.0
40°	290.5	289.7
42.5°	262.4	261.2
45°	233.6	232.3
47.5°	206.7	204.8
50°	180.4	179.2
52.5°	154.3	153.3
55°	124.7	123.5
57.5°	93.5	90.5
60°	66.2	64.5
62.5°	49.6	47.9
65°	43.0	41.5
67.5°	39.1	37.4
69°	37.1	35.7
70°	36.1	34.9
72.5°	33.2	32.5
75°	29.8	29.1
77.5°	26.1	25.1
80°	22.5	21.5
82.5°	17.8	17.1
85°	11.0	10.5
87.5°	5.9	4.9
90°	0.0	0.0

(END OF REPORT)